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## VIII-th International Young Scientists Conference on Information Technologies, Telecommunications and Control Systems

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## VIII-th International Young Scientists Conference on Information Technologies, Telecommunications and Control Systems

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The VIII-th International Young Scientists Conference on Information Technologies, Telecommunications and Control Systems (ITTCS) will be held from 16th to 17th of December, 2021, at the Innopolis University.

The Conference agenda will work as a competence platform, providing facilities for efficient communication to boost the IT science and engineering knowledge of young scientists and help them in their professional development. Young scientists will be given a unique chance not only to improve their presentation skills and public speaking abilities but to gain an experience of scientific publication.

The importance of the project lies in the need to create conditions for the growth of recognition of a young scientist in world scientific circles and an increase in interest in his work, an increase in the level of scientific publications of students, postgraduate students and young scientists, and an increase in their quality. The exchange of experience in the field of professional interests with colleagues from foreign and Russian universities and scientific organizations will improve the qualifications of researchers and establish promising scientific contacts among young scientists.

The conference will be focused on practical and theoretical aspects of software engineering and the development of automated systems. The following topics are in the focus of the conference:

- (i) Software Engineering, which will address the issues of empirical software development, software metrics, development tools and environments, and human and social factors in software development.
- (ii) Telecommunication systems and computer networks, which focuses on issues such as industrial networks; mobile IP networks; wireless sensor networks; modulation and coding in wireless systems; broadband wireless telecommunication systems; signal processing for wireless telecommunications.
- (iii) Mathematical modeling, numerical methods and program complexes, dedicated to the methods of mathematical analysis; imitation modeling; elements of probability theory and mathematical statistics; modeling of distributed systems; engineering modeling; big data models and algorithms; big data architecture.
- (iv) System analysis and information processing, which focuses on such issues as algorithms and methods of machine learning; theory and methods of signal processing; signal processing in the field of telecommunications; data mining; Artificial Intelligence; computer vision and pattern recognition; processing and analysis of big data.



- (v) Automated control systems, which focuses on such issues as mechatronics, industrial robotics, automation of the production process, SCADA-systems, automated control systems, PLM systems.

A total of 30 papers are accepted for oral presentation with acceptance rate of 55%. Due to the COVID-19 pandemic and travel restrictions the event will take place virtually. Authors will be given 10 minutes for the presentation plus 5 minutes for Q&A sessions.

We expect up to 70 participants during the event - students, postgraduates, young researchers. ITTCS will give them an opportunity to report on last scholarly endeavors, examine their colleagues' research projects.

### **Programm Committee**

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